

Fig. 1

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COMPOUND A

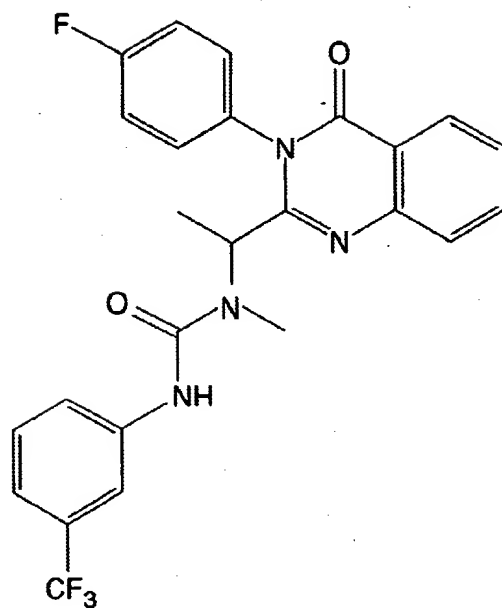


Fig. 2A

COMPOUND B

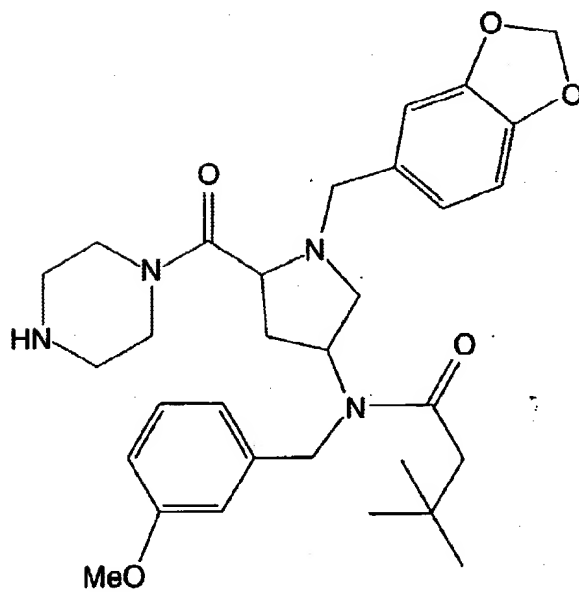
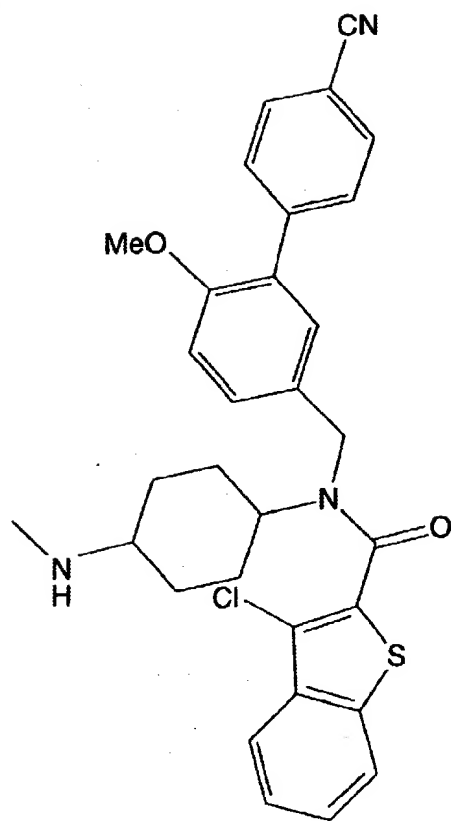


Fig. 2B



AGONIST Z

Fig. 3

## GLI-1, GENE EXPRESSION IN THE LUNG

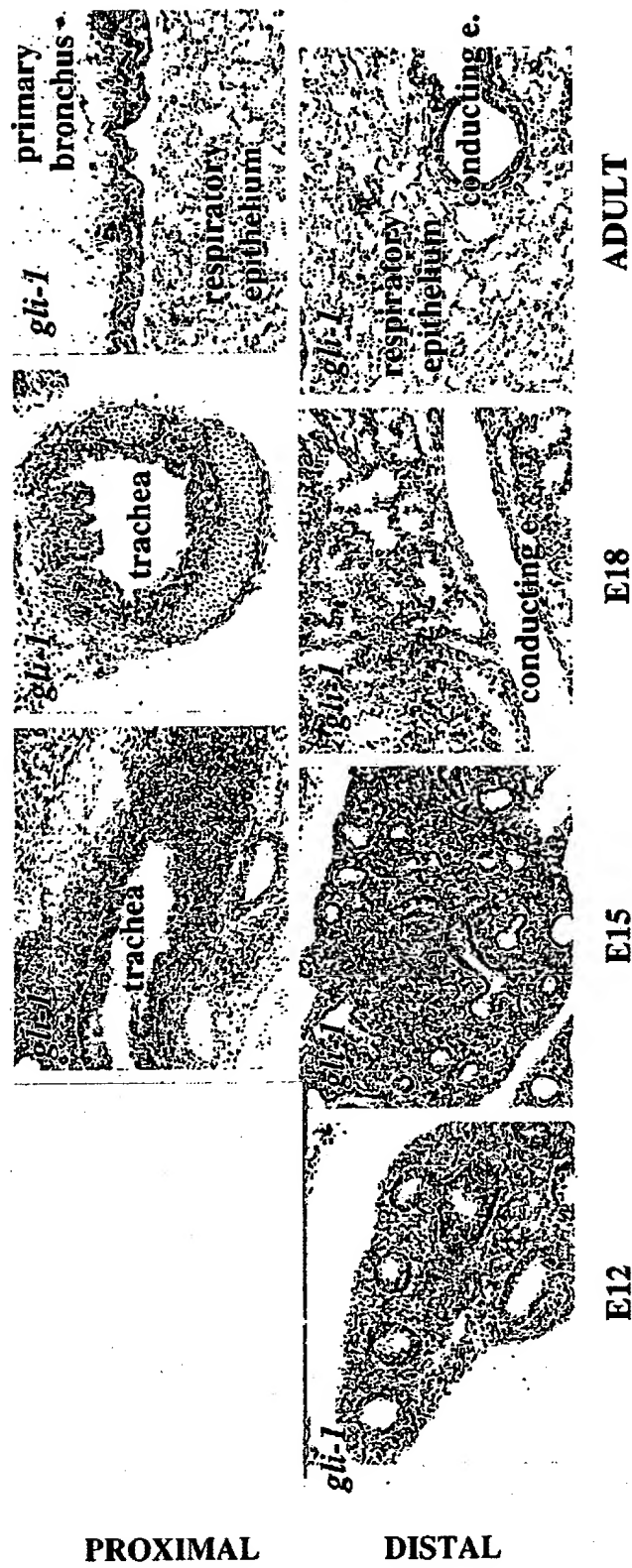


Fig. 4

## Gli-1 EXPRESSION IS INVERSELY RELATED TO LUNG MATURATION

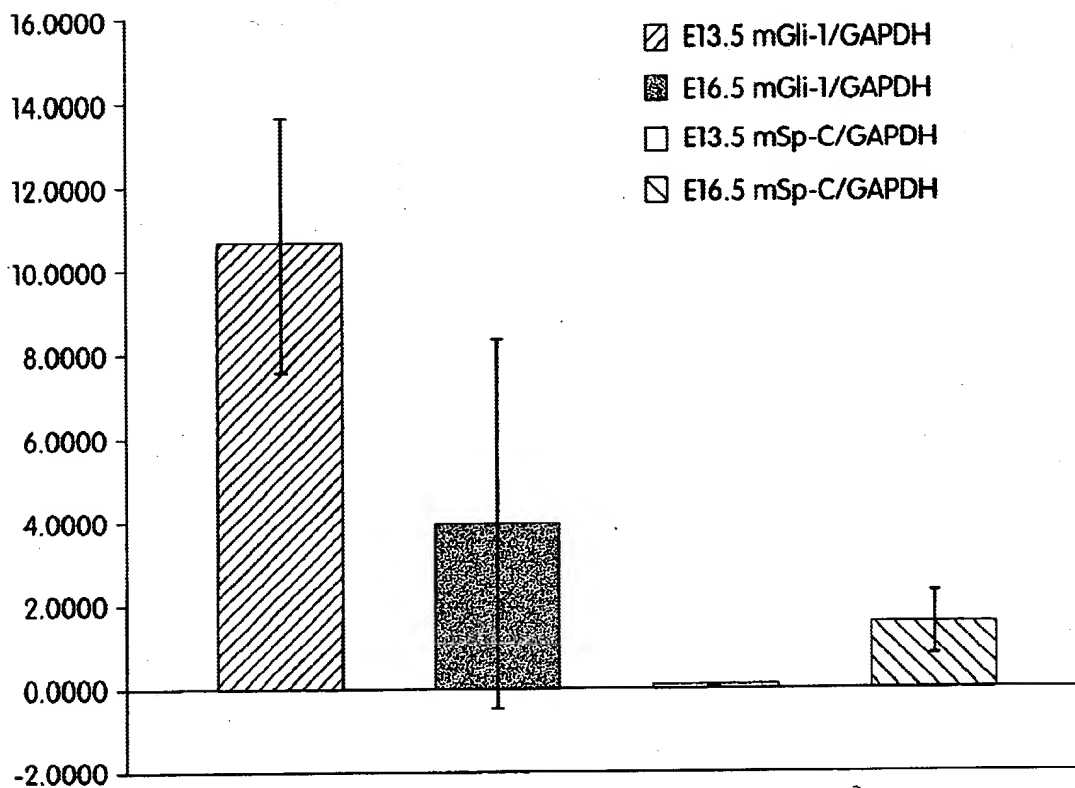


Fig. 5

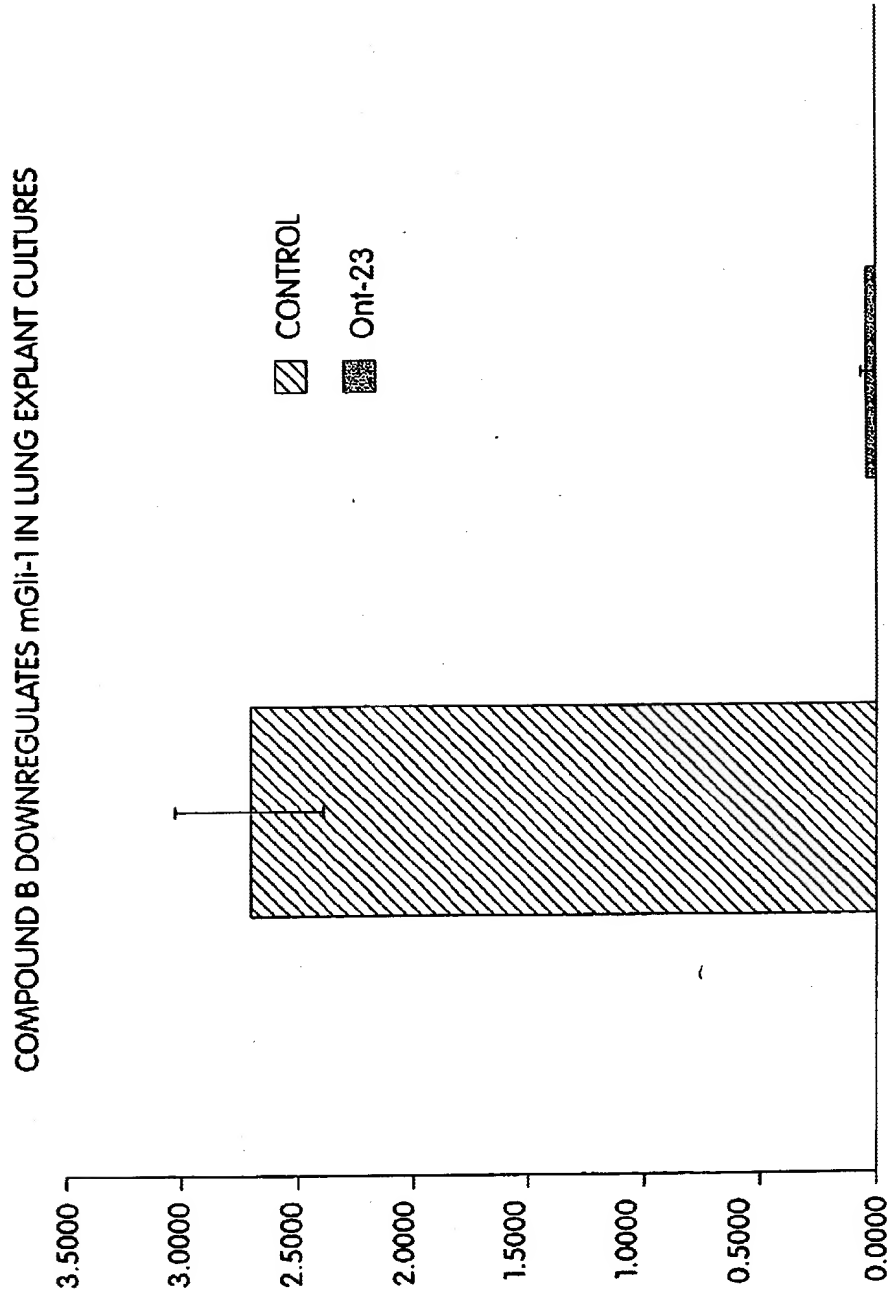


Fig. 6

COMPOUND B TREATMENT INCREASES SURFACTANT TYPE C  
PRODUCTION IN EMBRYONIC MOUSE LUNGS

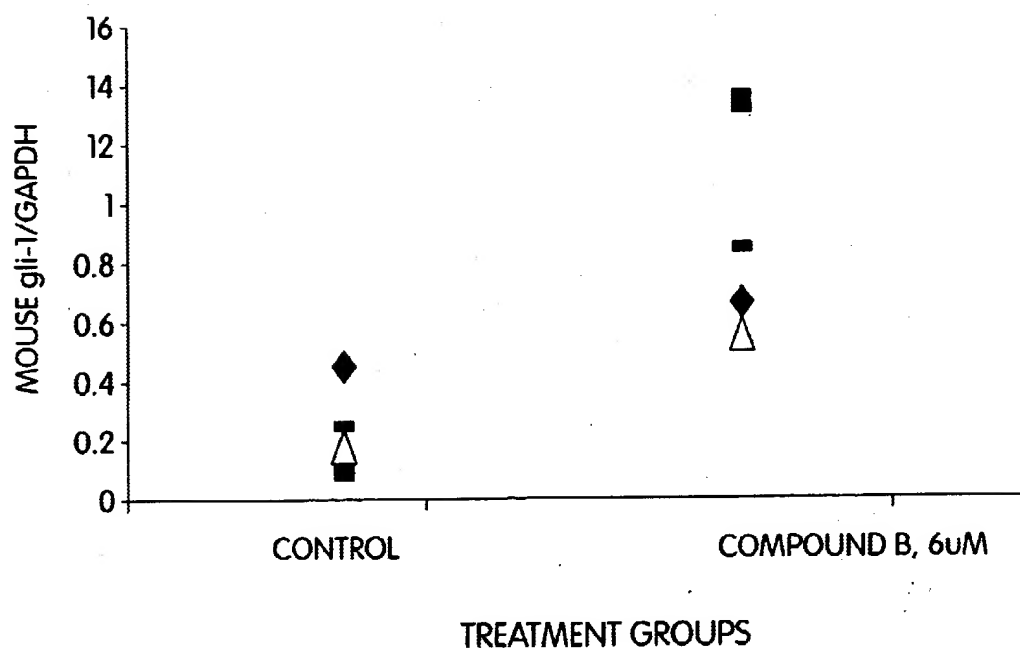


Fig. 7

TYPE II PNEUMOCYTES IN COMPOUND B TREATED LUNG CULTURES  
DIFFERENTIATE PREMATURELY

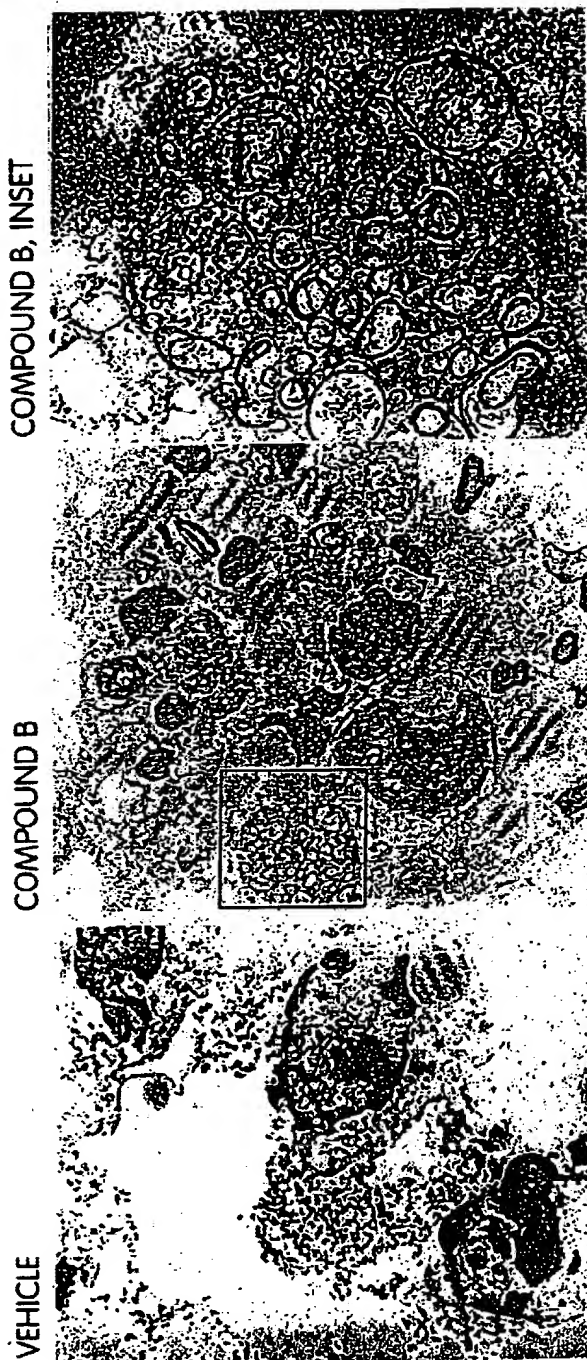


Fig. 8



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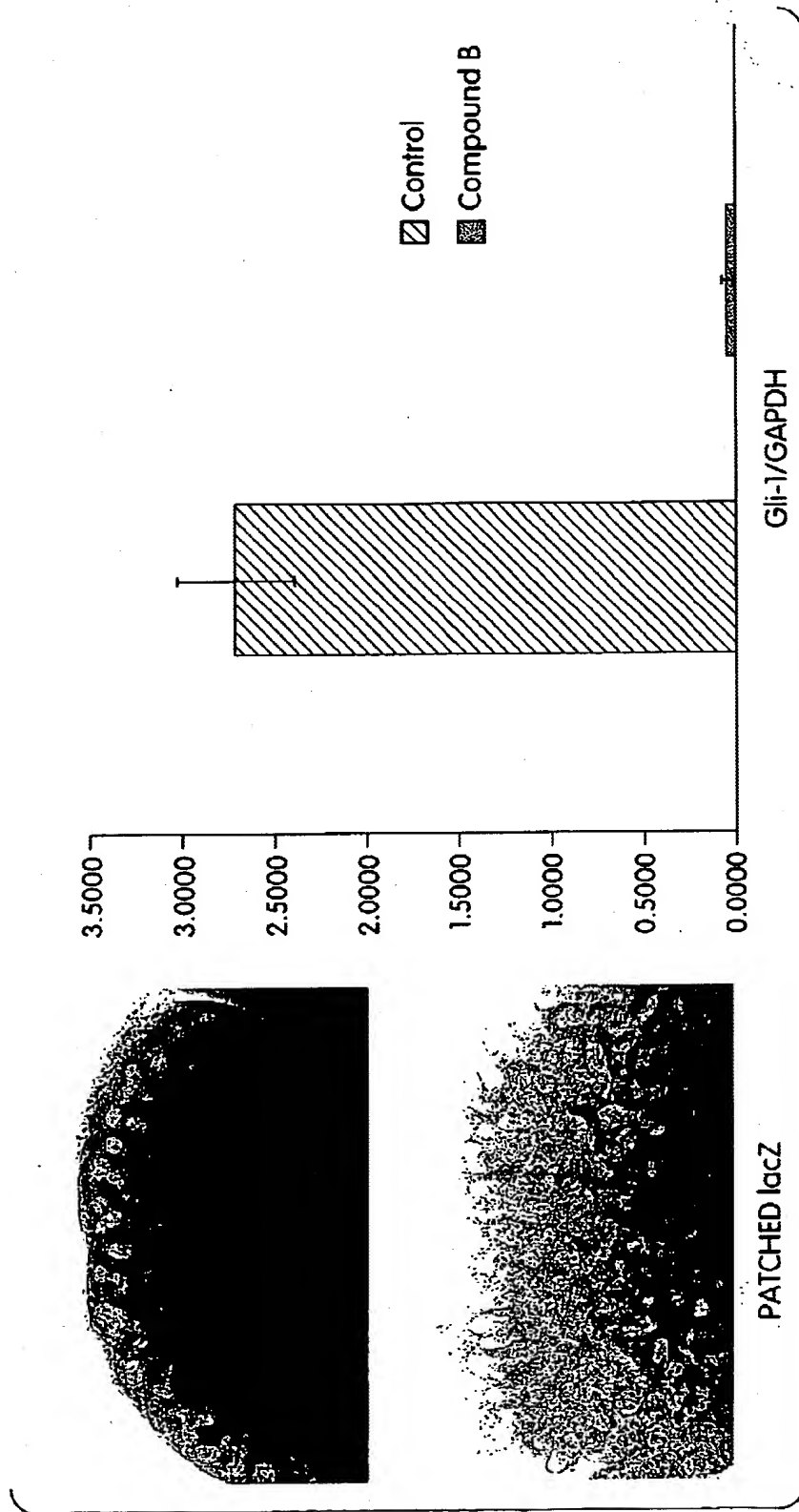


Fig. 9

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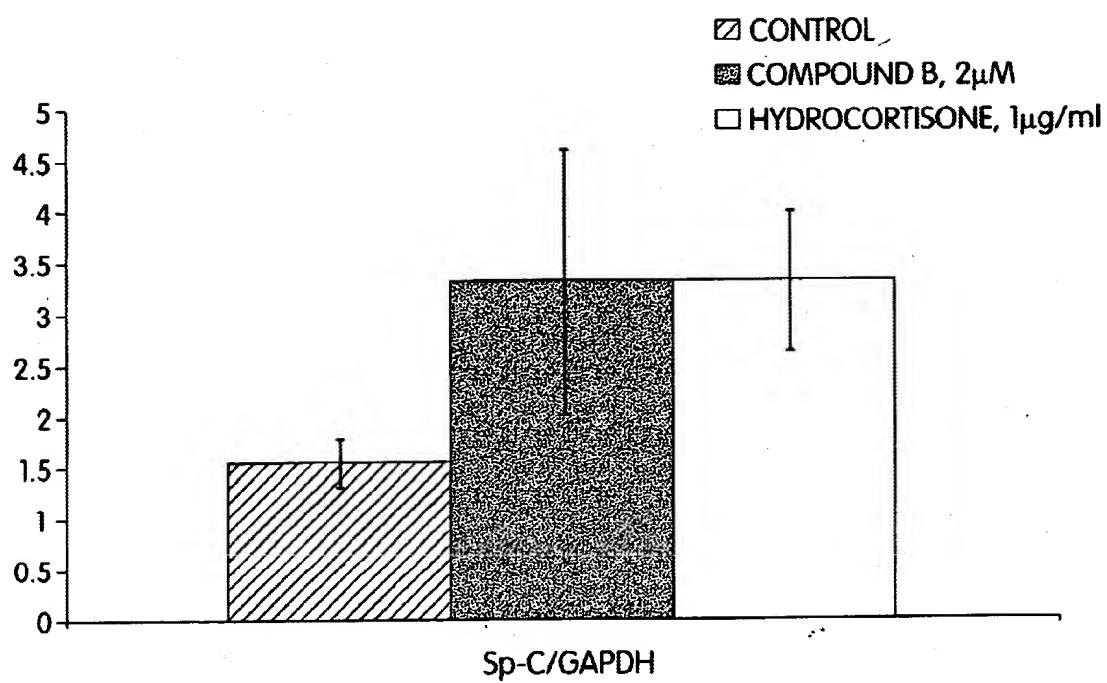


Fig. 10

# Shh PROTEIN AND HEDGEHOG AGONIST Z

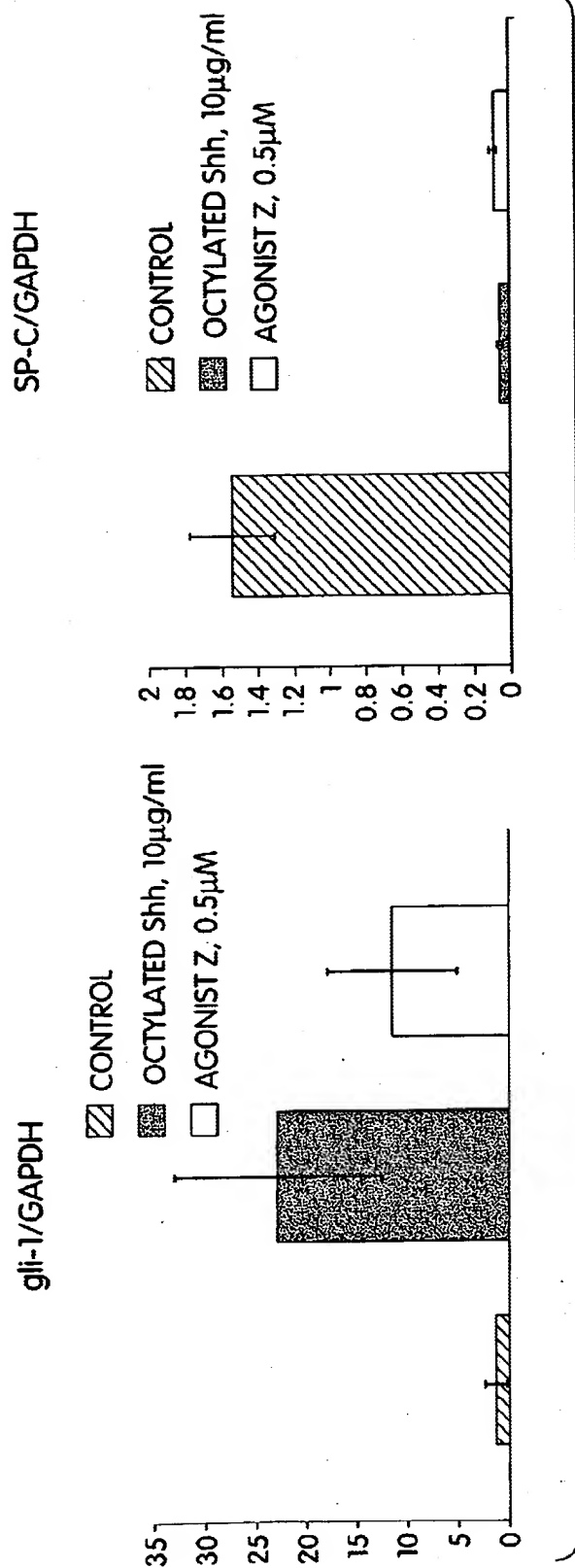


Fig. 11

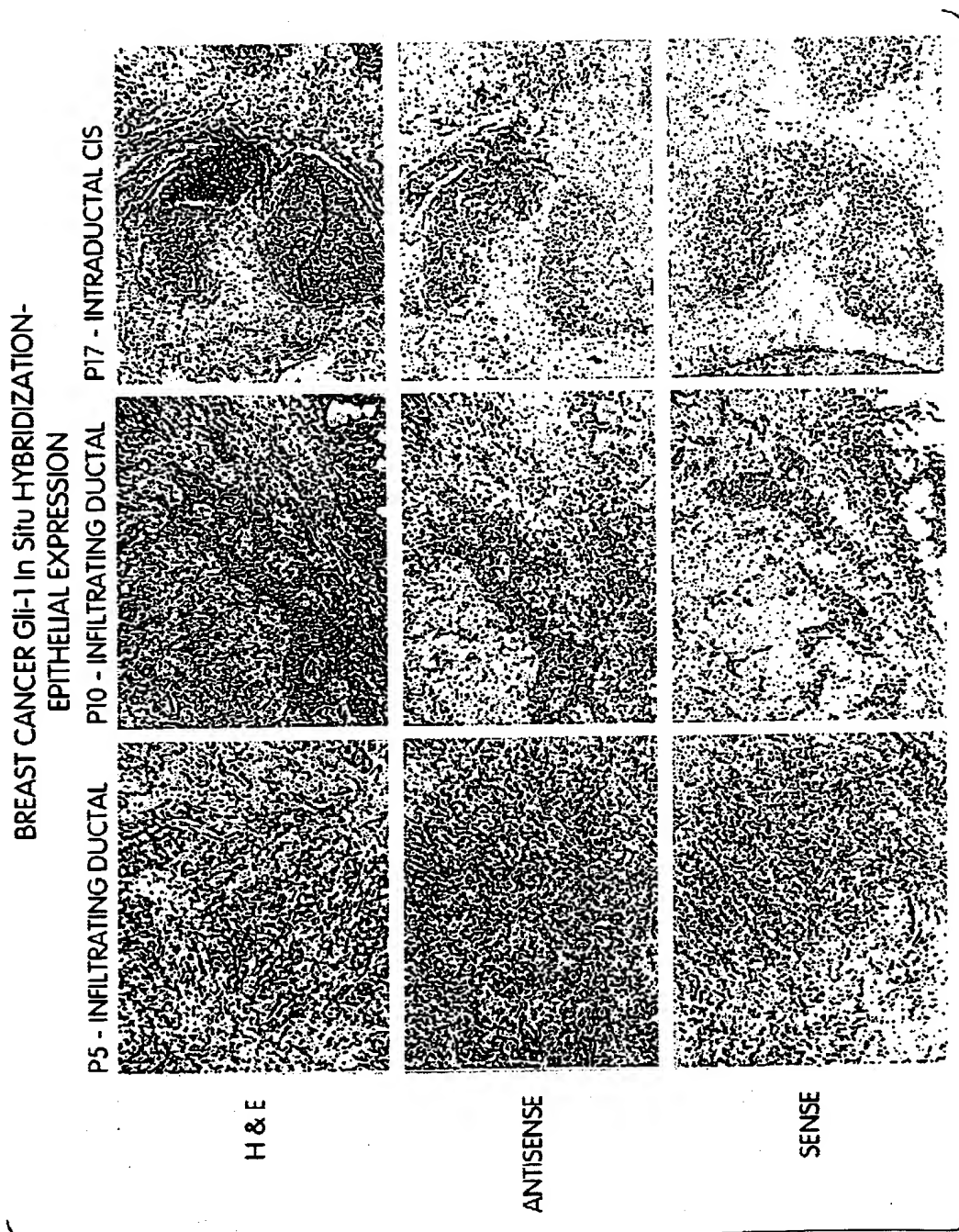


Fig. 12

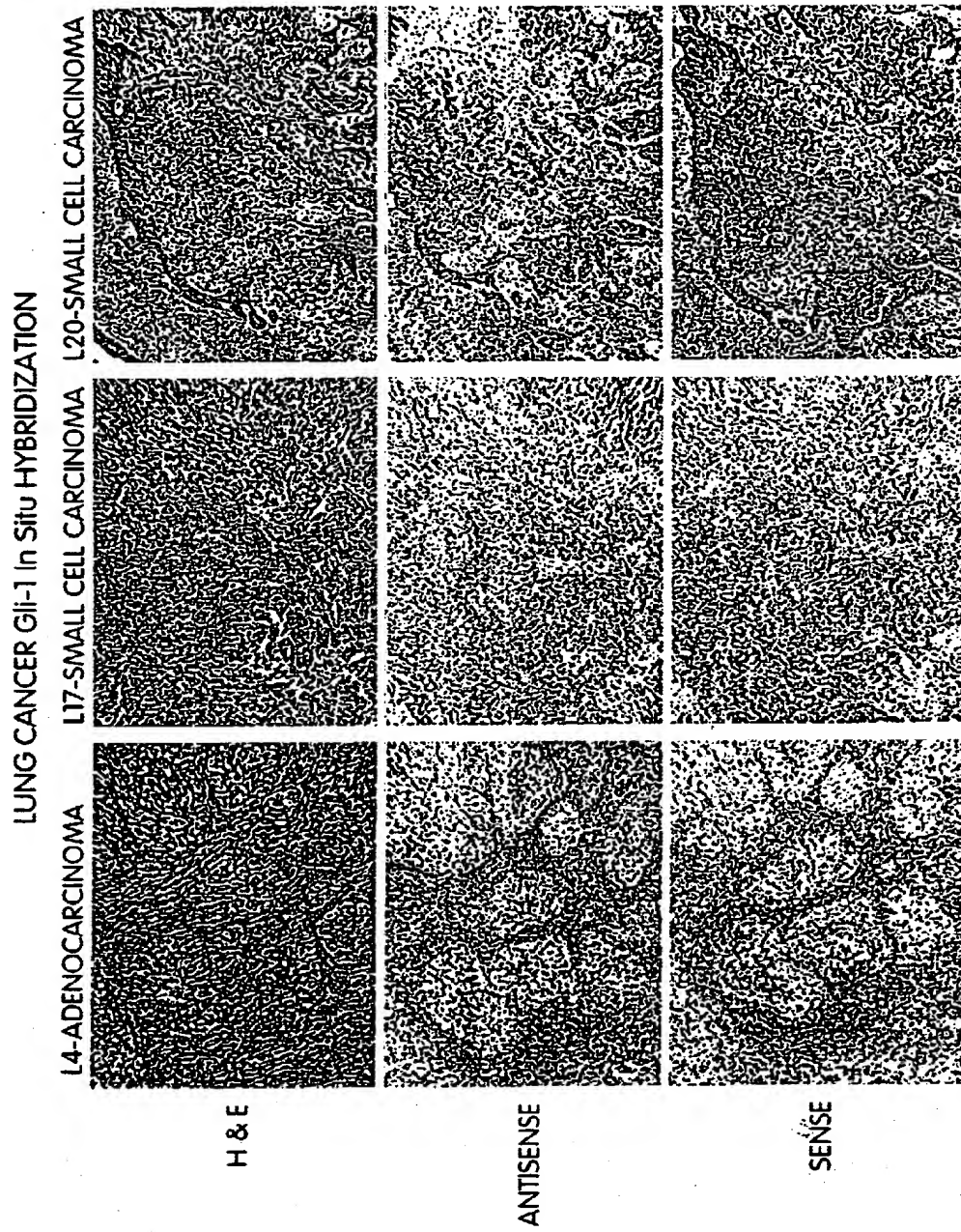
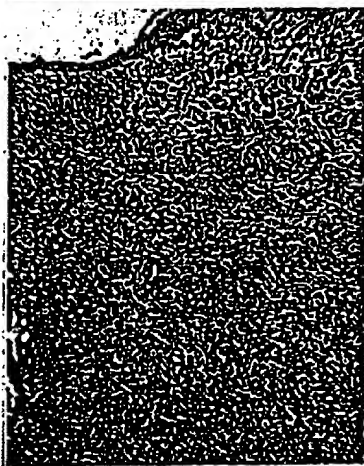


Fig. 13

PROSTATE CANCER Gli-1 In Situ Hybridization-  
STROMAL EXPRESSION

H & E



ANTISENSE



SENSE



Fig. 14

BPH Gli-1 In Situ HYBRIDIZATION-  
STROMAL EXPRESSION

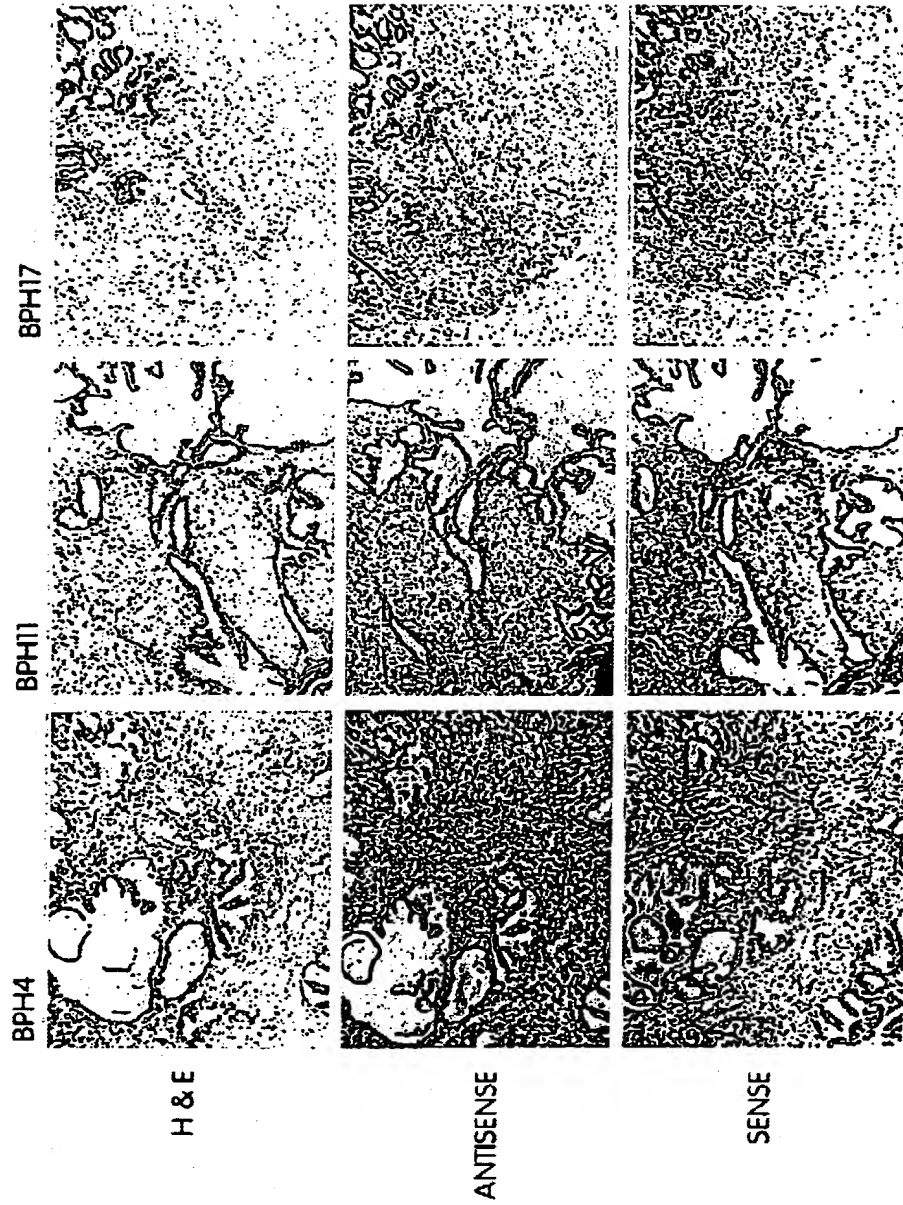


Fig. 15

HEDGEHOG SIGNALING IN MOUSE BLADDER

ptc-lacZ, NEWBORN



gli-1, ADULT

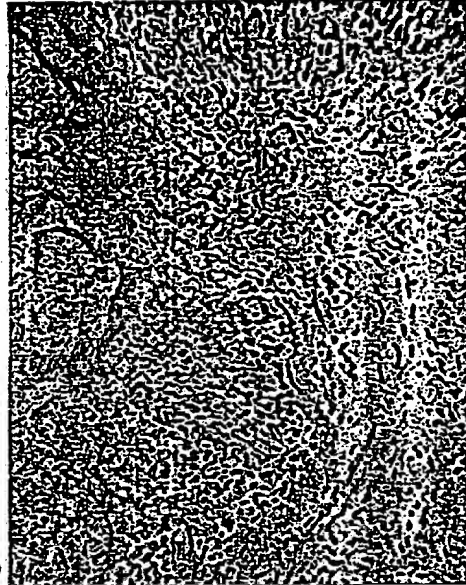


Fig. 16



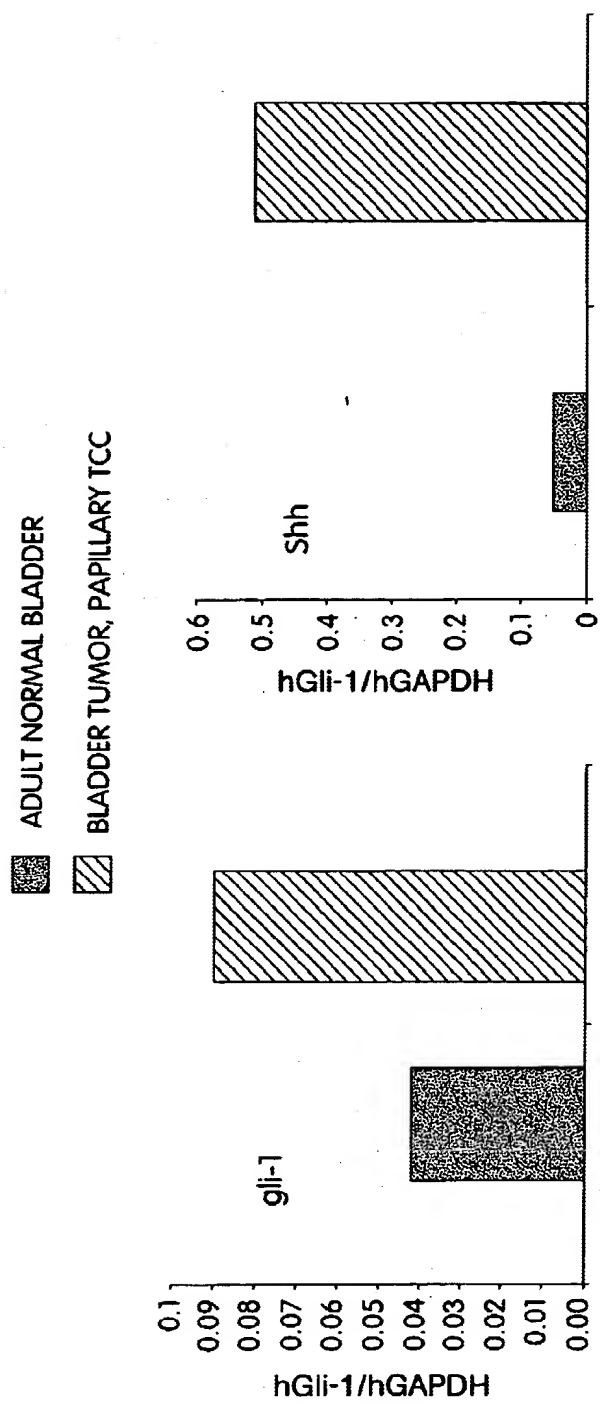


Fig. 17

# HH SIGNALING IN BLADDER CANCER CELL LINES (1d in 10% FBS, 2d in 1% FBS)

- |             |                |
|-------------|----------------|
| □ HT1376    | ▨ RT4 HTB-2    |
| ▨ SW780     | ▨ HT 1197      |
| ▨ J82 HTB-1 | ▨ TCCSUP HTB-5 |
| ▨ T24 HTB-4 | □ 5637 HTB-9   |

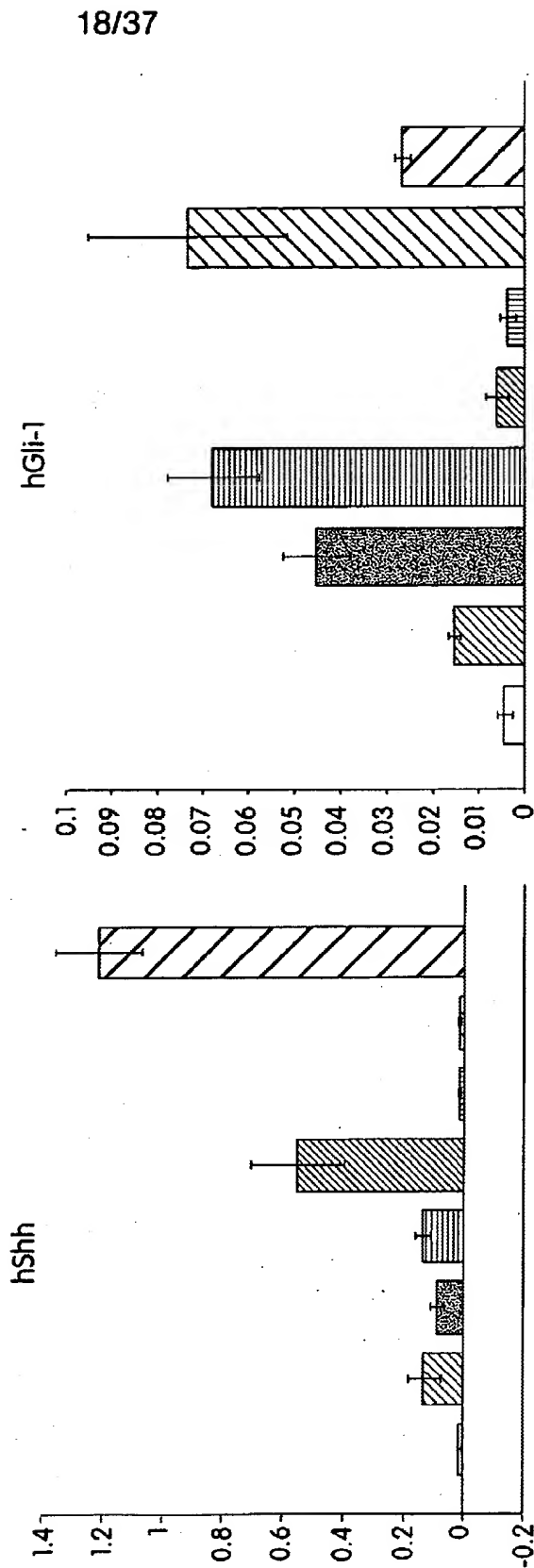
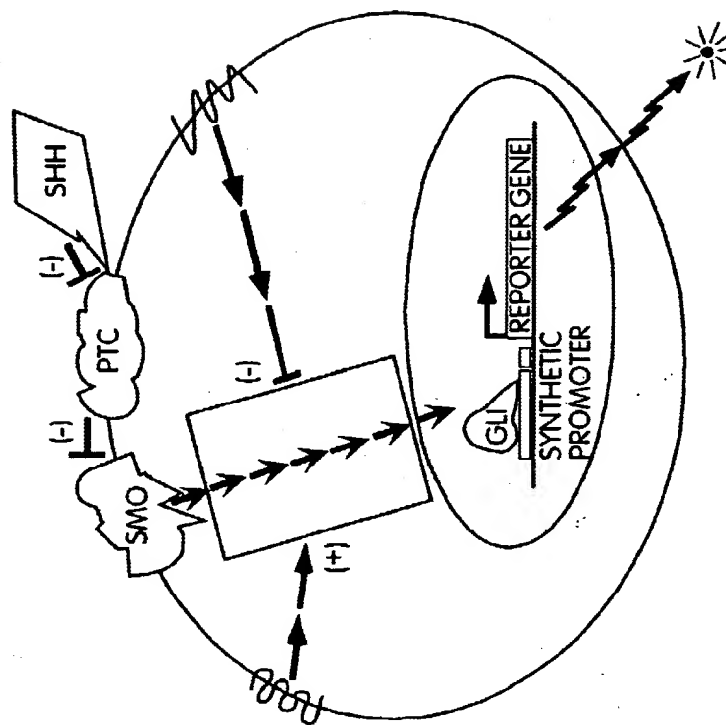


Fig. 18



### S12 FIBROBLAST CELL LINE WITH LUCIFERASE REPORTER



### B. Flow-chart

Day 1  
Plate S12 + cancer cells  
DMEM 10% FBS

Day 2  
Change to 1% FBS  
Let grow 2d

Day 4  
Read luciferase activity on Topcount  
or  
Treat with cmpds (read next day)

**Fig. 20**

Gli-luc ASSAY ON BLADDER CANCER CELL LINES  
(S12 + CANCER CELL CO-CULTURES, 1d IN 10% FBS, 2d IN 1% FBS)

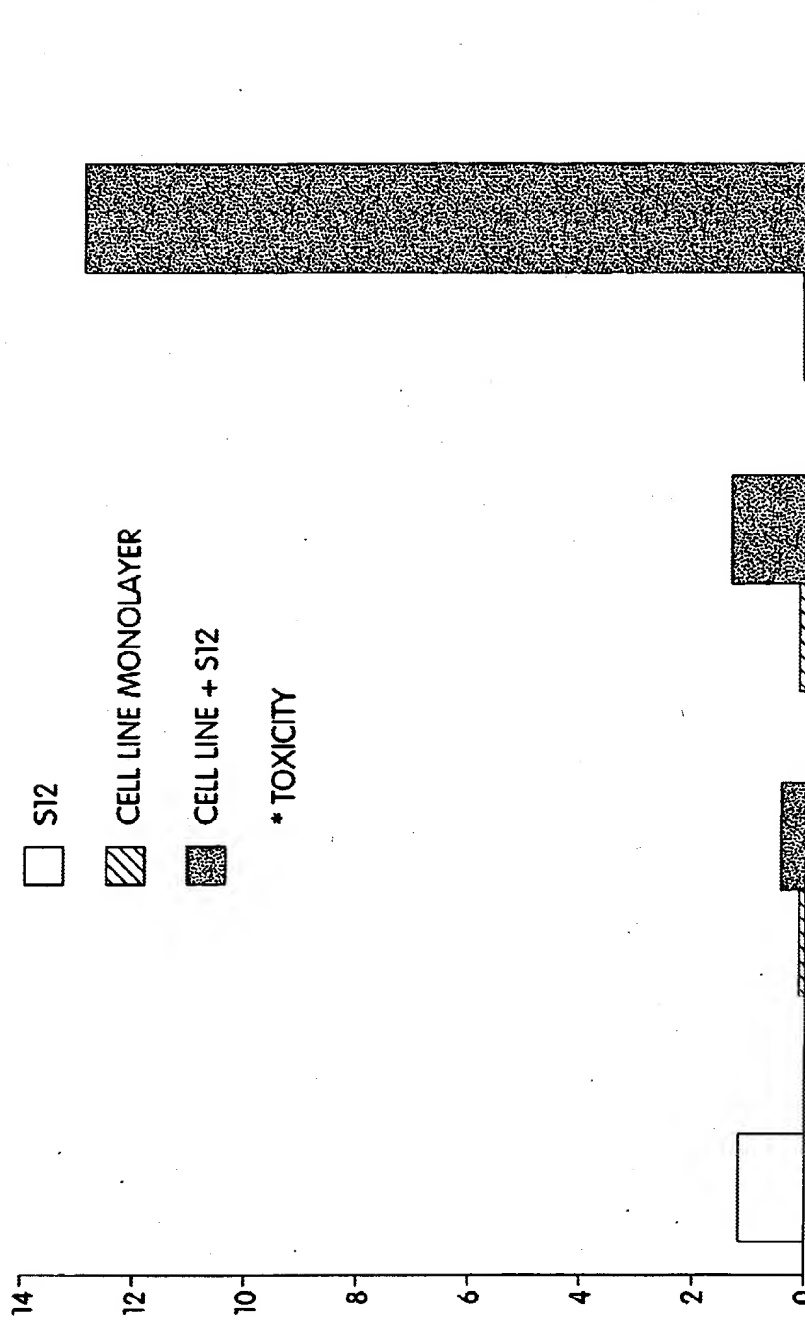


Fig. 21

## Gli-luc ASSAY ON RT-4

5E1, 24 hrs

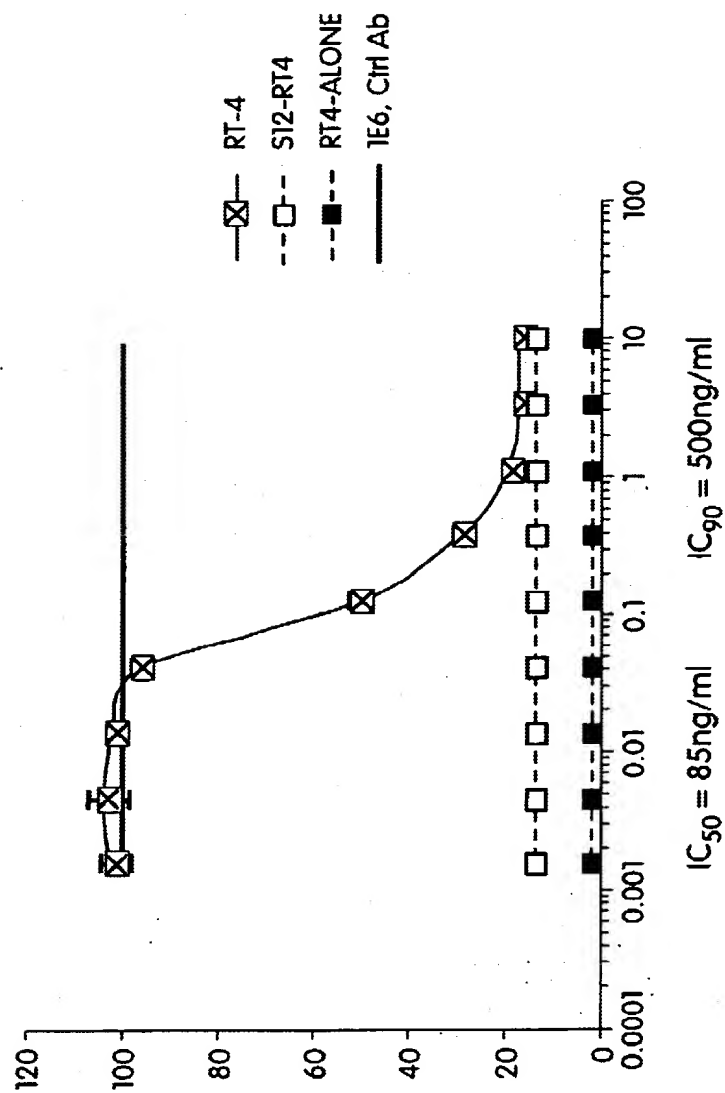


Fig. 22

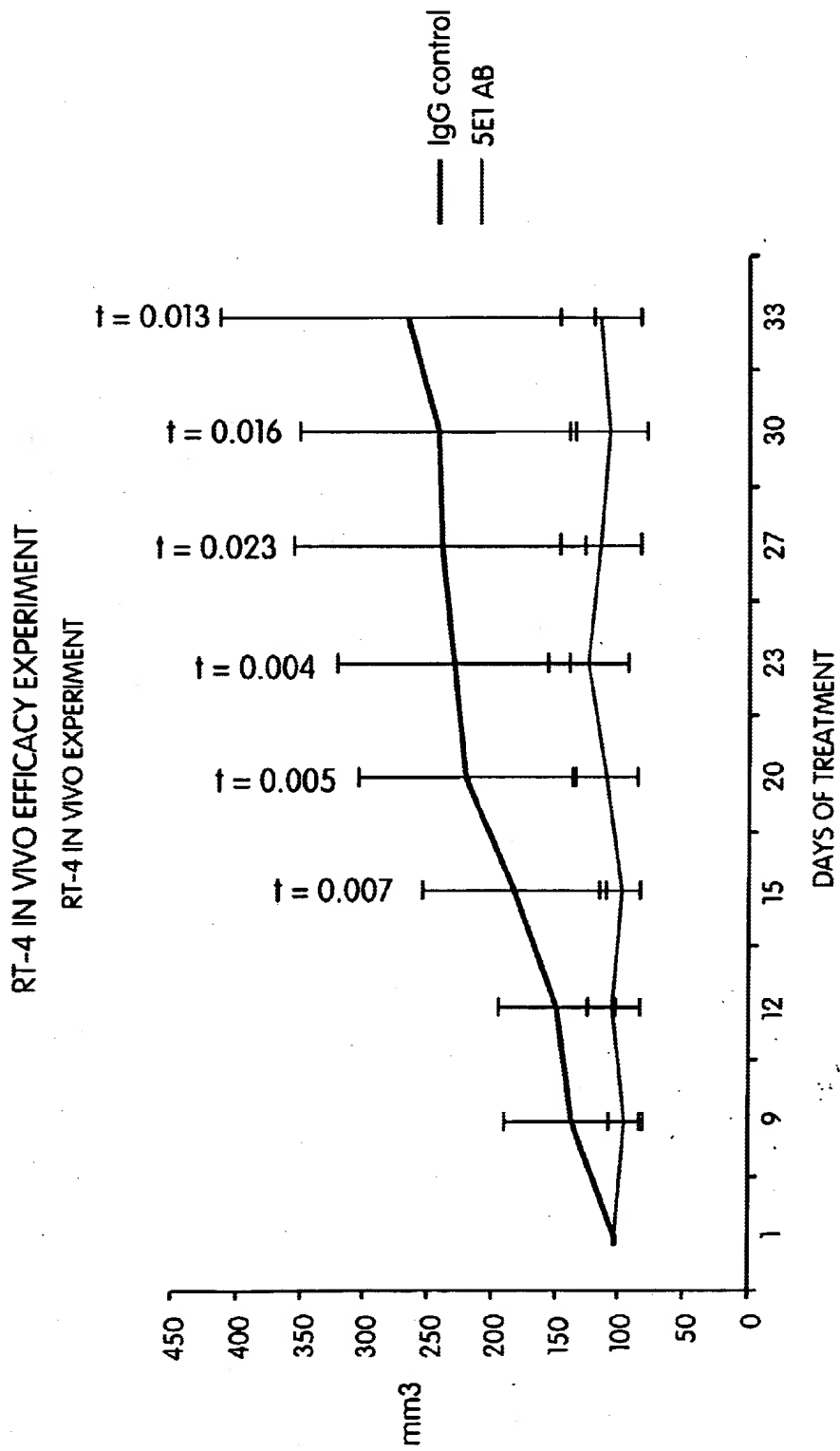
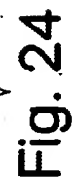


Fig. 23





## MOUSE Gli-1 EXPRESSION IN 5E1-TREATED RT-4 TUMORS

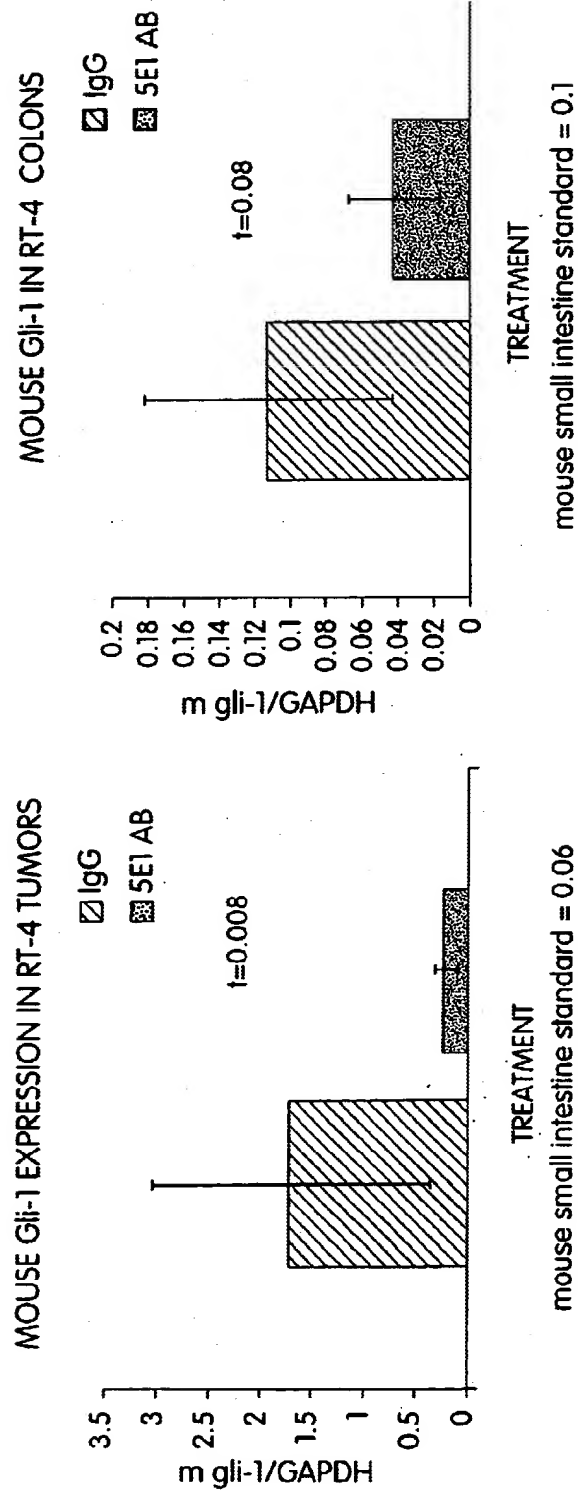
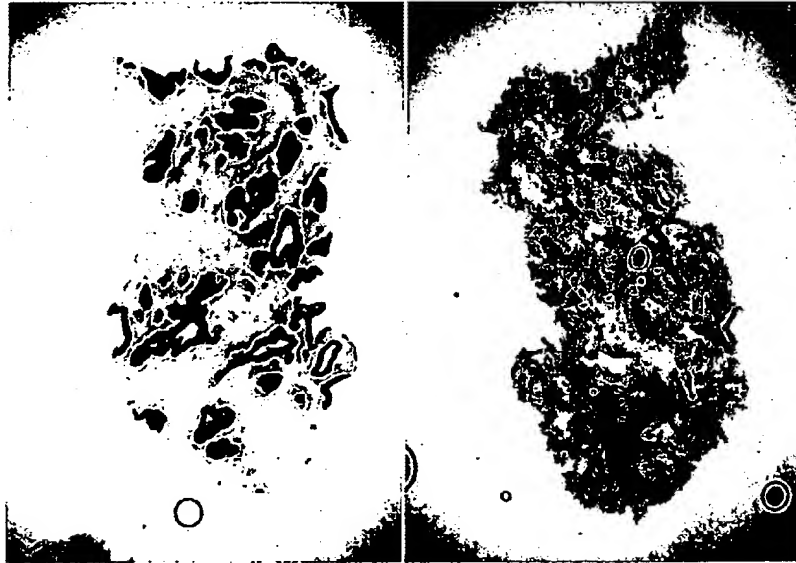


Fig. 25

Shh IS EXPRESSED IN PROSTATE CANCER

H373



Shh a/s

Shh s

H377

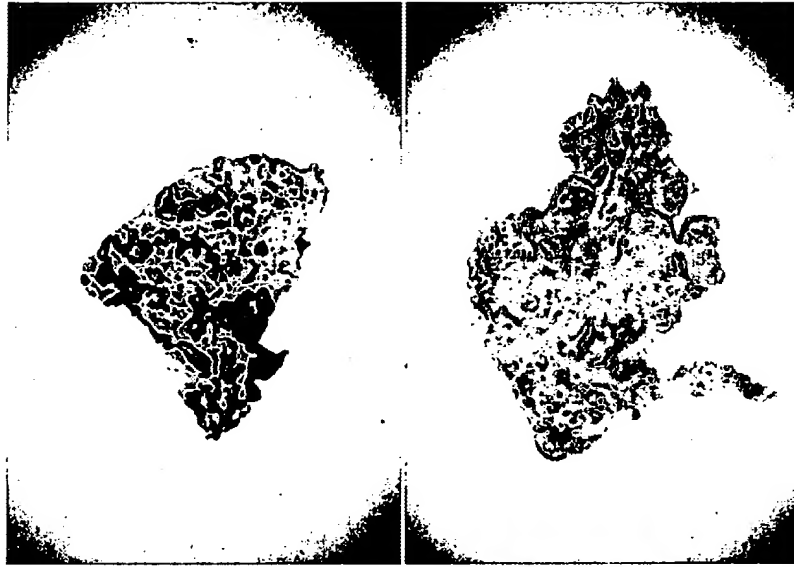


Fig. 26

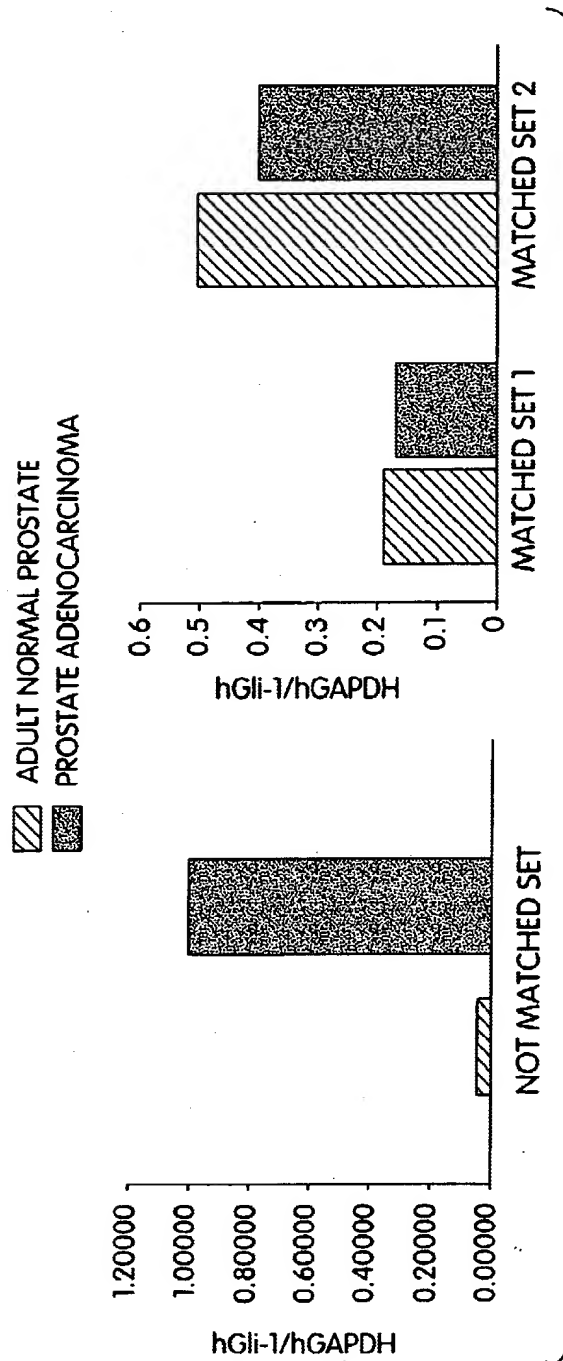


Fig. 27

# HH SIGNALING IN PROSTATE CANCER CELL LINES (1d in 10% FBS, 2d in 1% FBS)

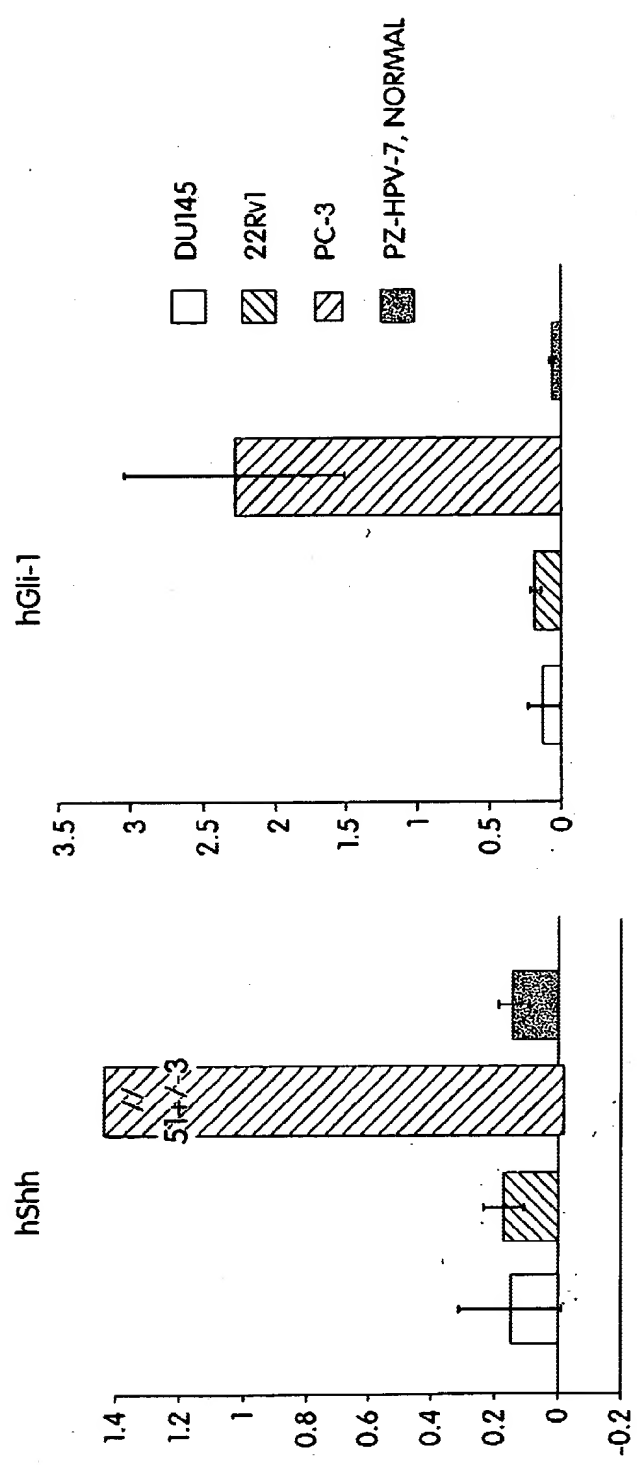


Fig. 28

Gli-luc ASSAY ON PROSTATE CANCER CELL LINES  
(S12 + CANCER CELL CO-CULTURES, 1d IN 10% FBS, 2d IN 1% FBS)

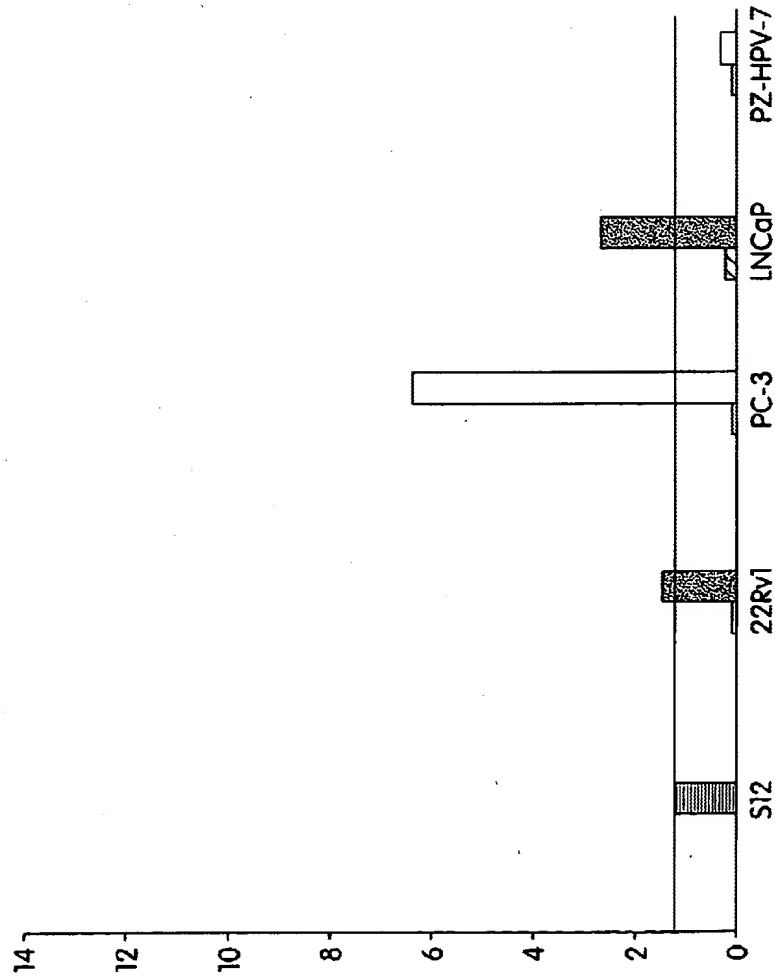


Fig. 29

IN VITRO EFFICACY  
INHIBITION OF HEDGEHOG SIGNALING BY HEDGEHOG ANTAGONISTS  
(Gli-luc, 24 hrs)

5E1

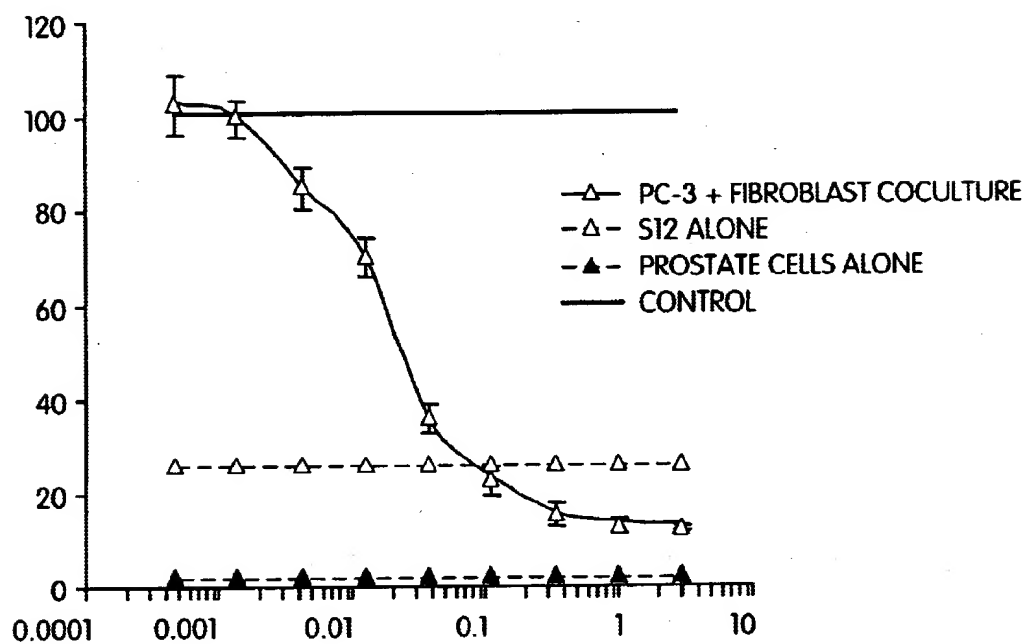


Fig. 30

EXPRESSION OF Shh IN THE PROSTATIC EPITHELIUM AND STROMA

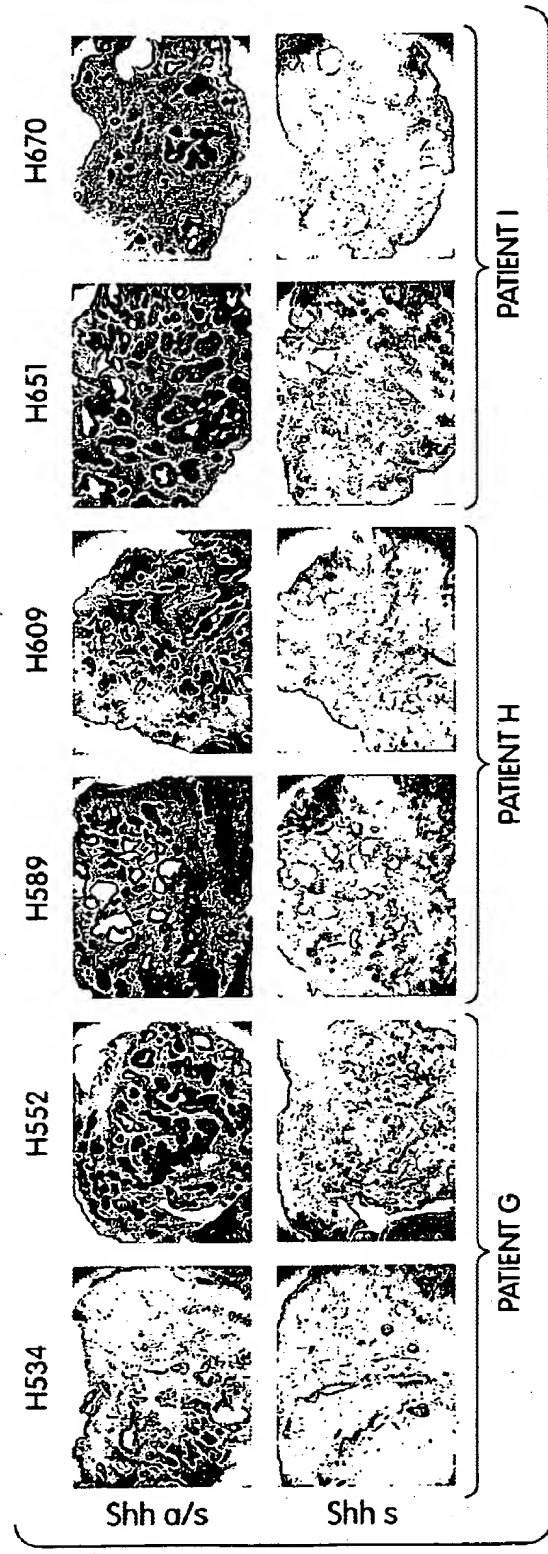


Fig. 31

EXPRESSION OF Gli-1 IN THE PROSTATIC STROMA (LifeSpan)

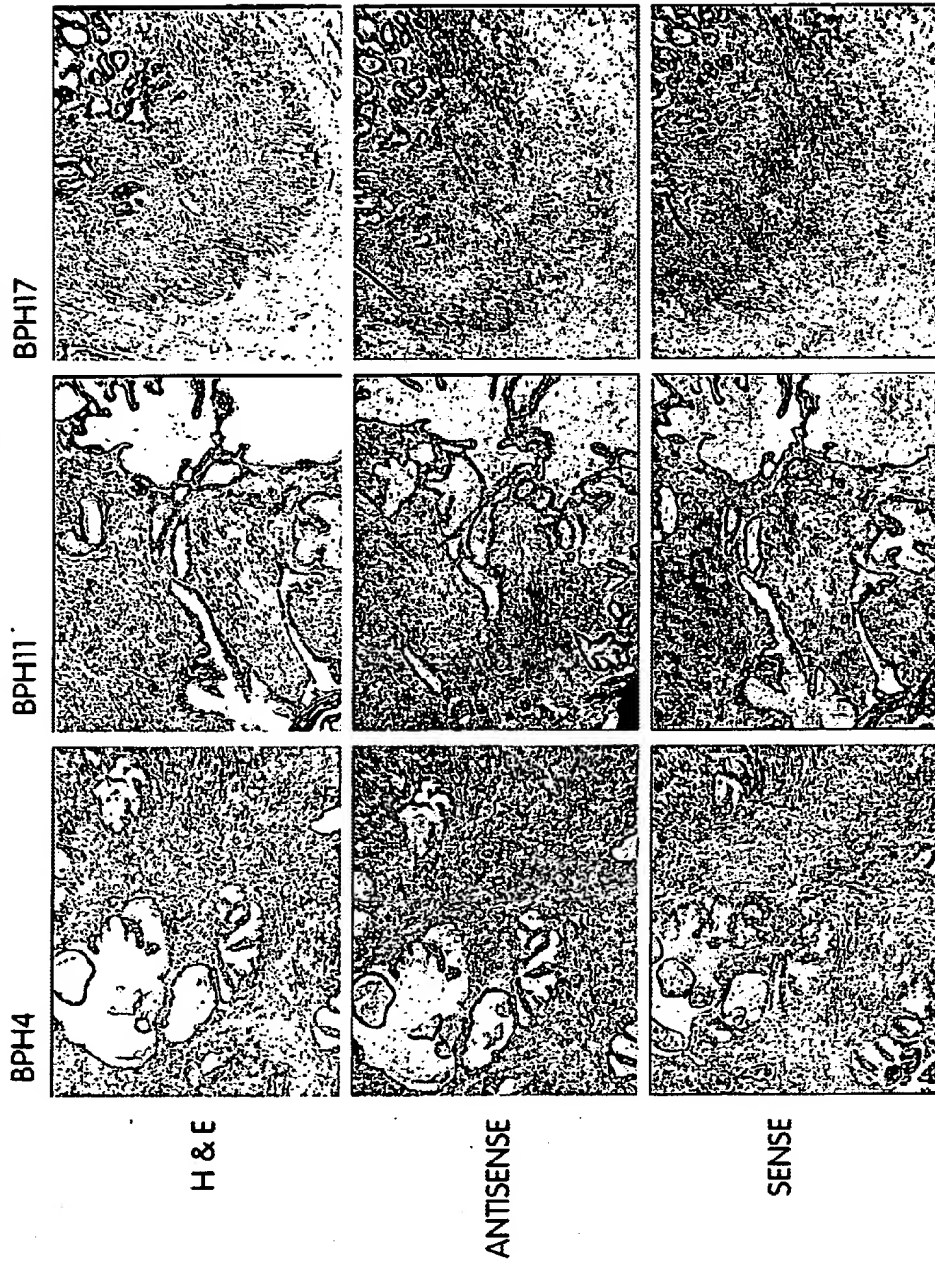


Fig. 32



PROXIMO-DISTAL Shh GRADIENT IN NORMAL PROSTATE

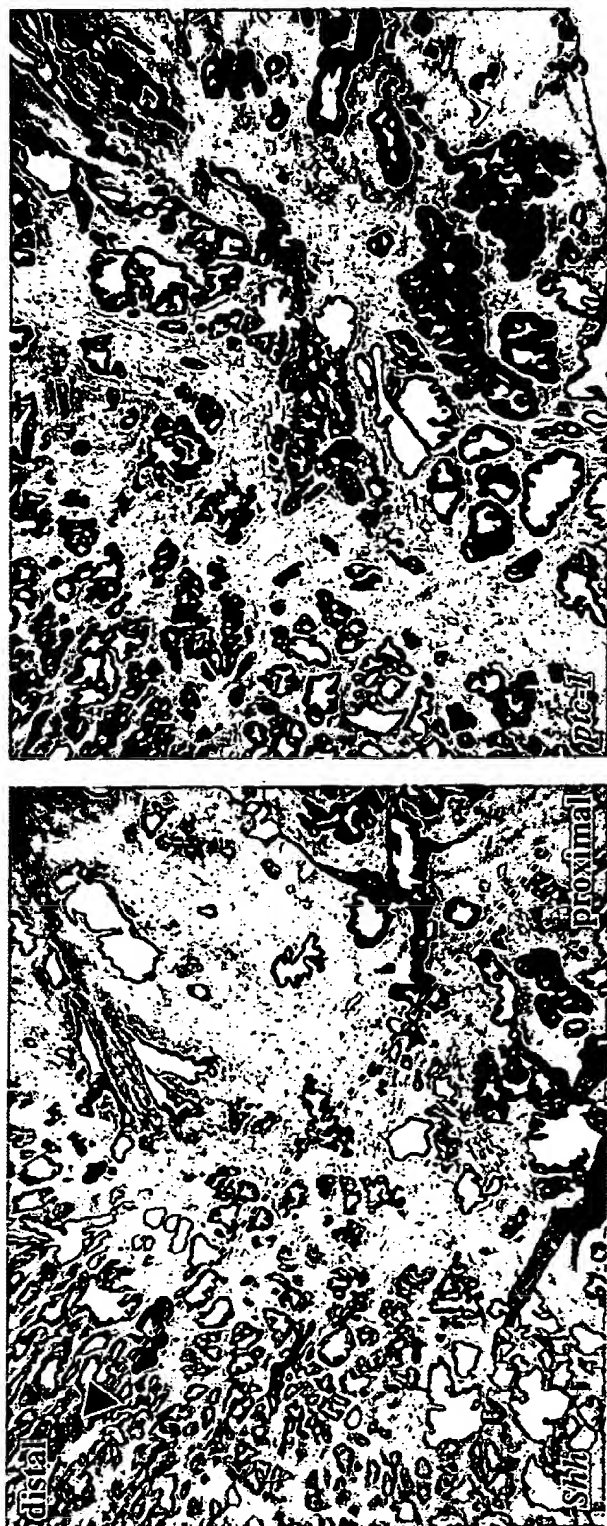


Fig. 33

## HEDGEHOG SIGNALING IN BPH BY Q-RT-PCR

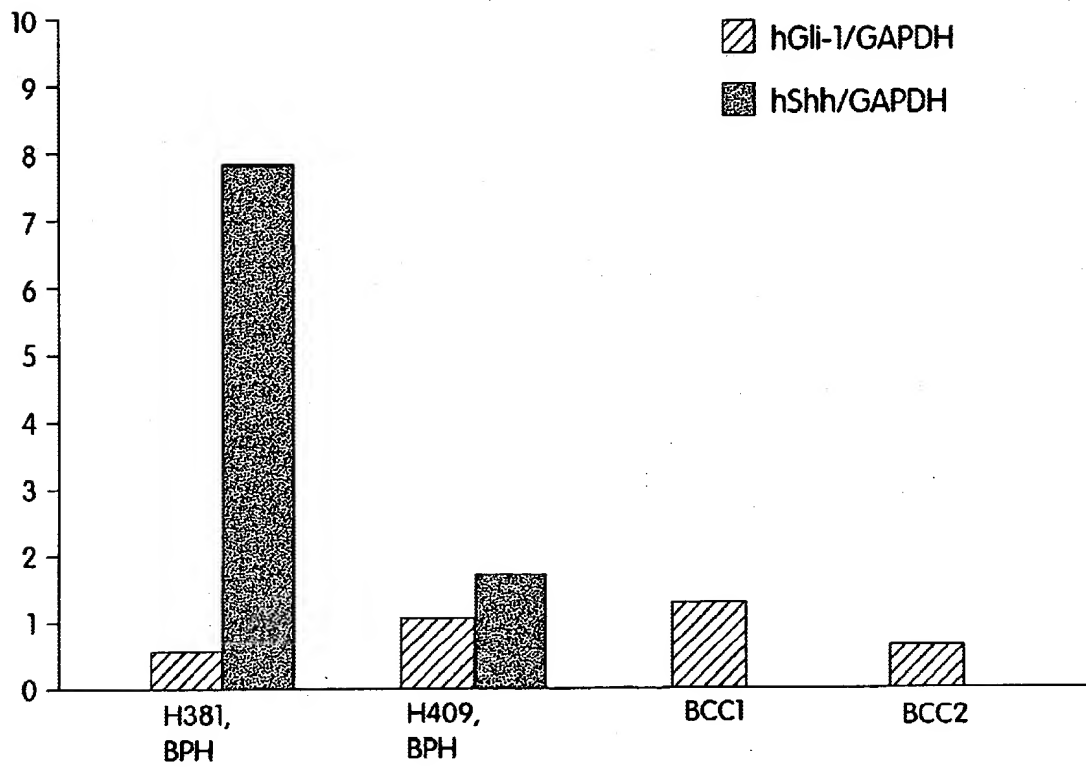


Fig. 34

## HIGH LEVEL HEDGEHOG SIGNALING IN BPH CELL LINES

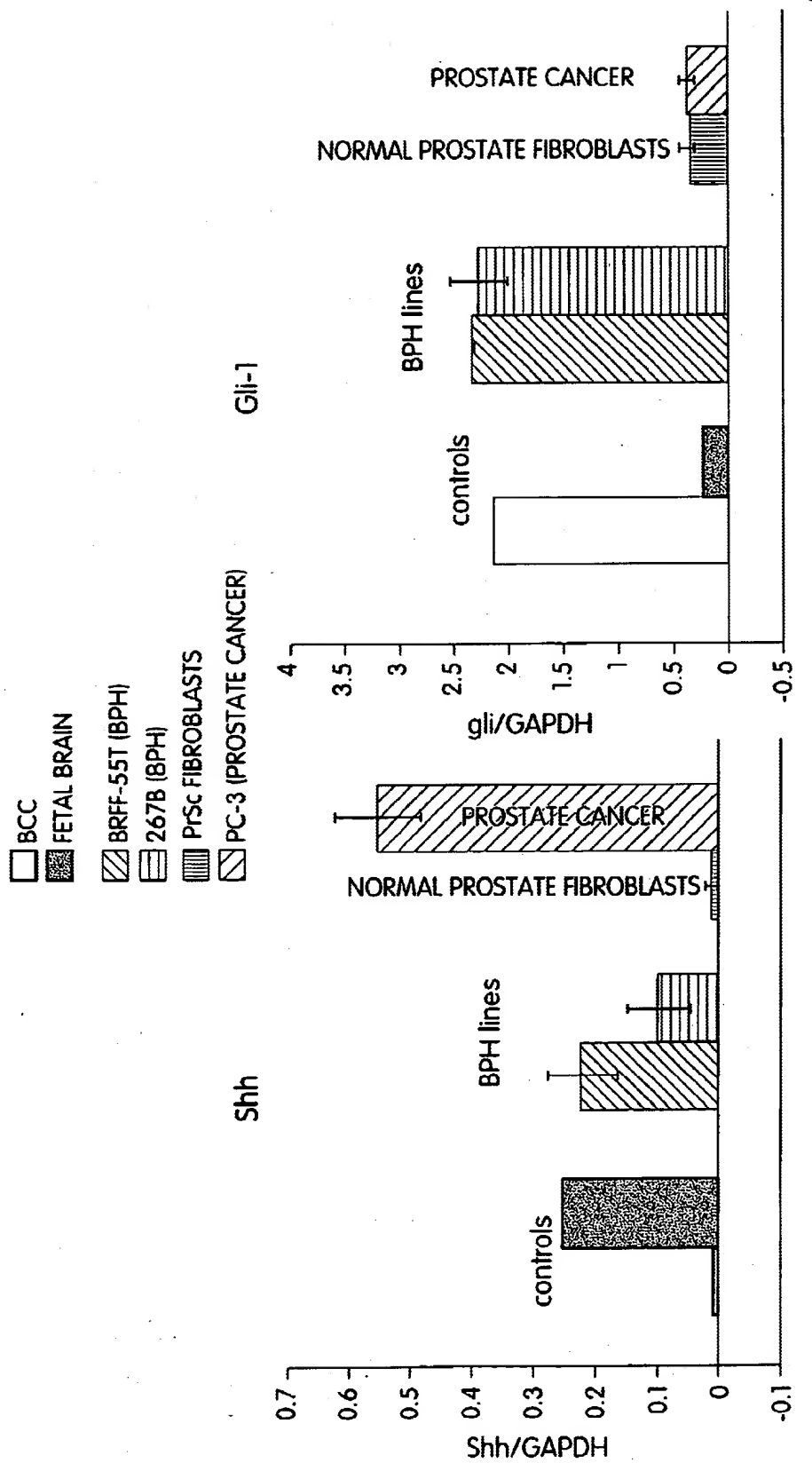


Fig. 35

## EFFECT OF 5EI ON HT-29/10T 1/2 COLON CANCER GROWTH

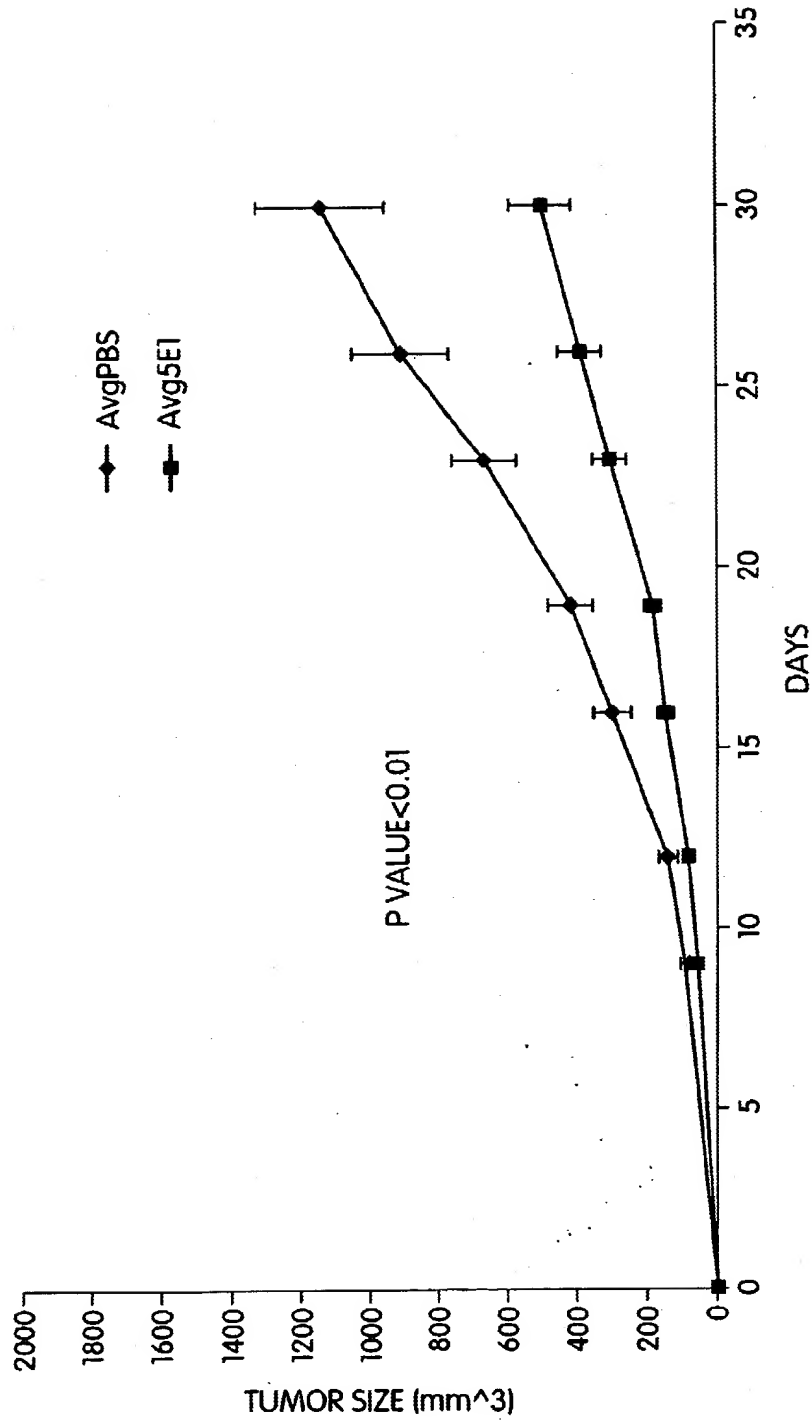


Fig. 36

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## EFFECT OF 5E1 ON HT-29/10T 1/2 COLON CANCER GROWTH

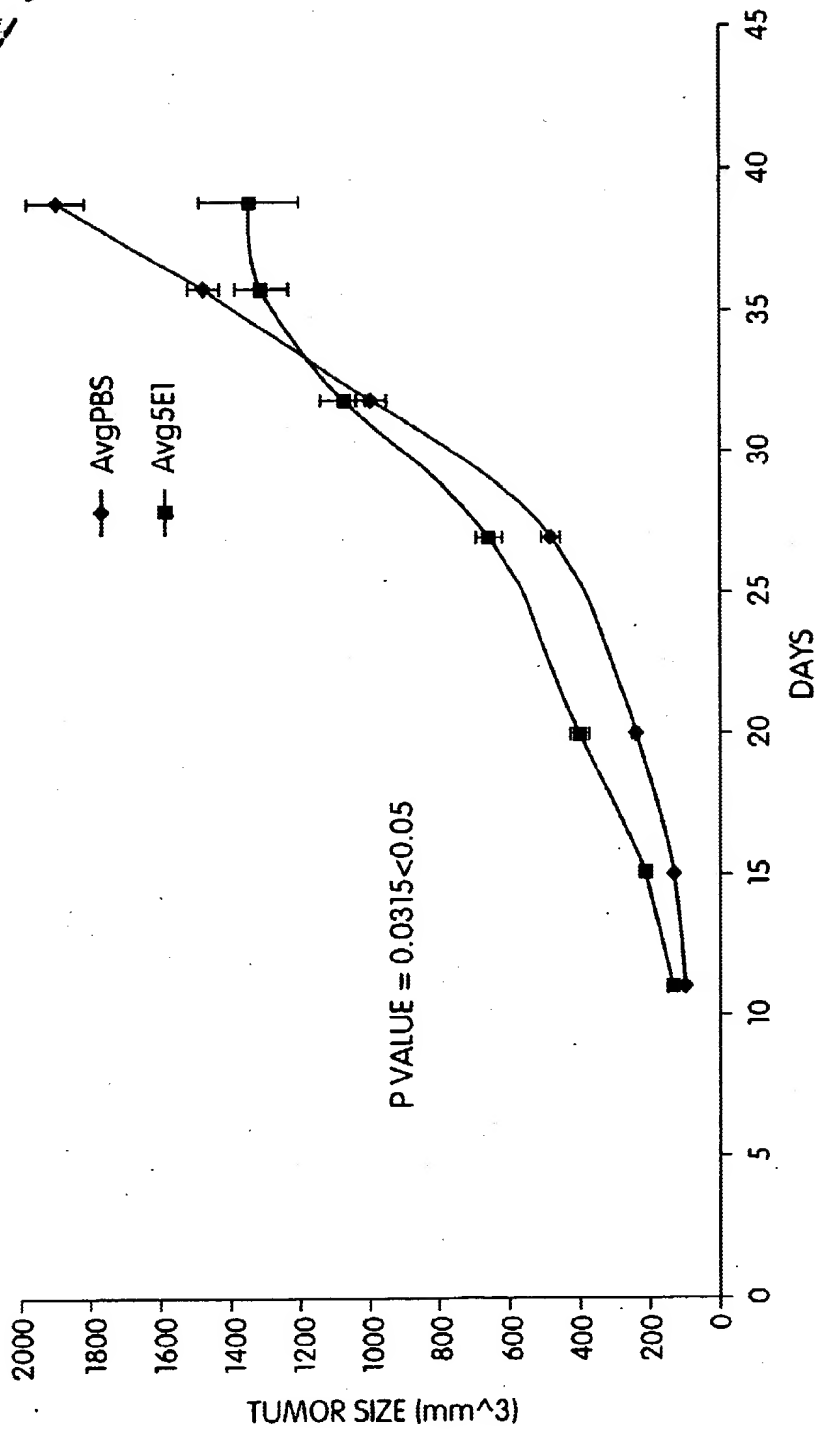


Fig. 37